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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/722,621	11/28/2000	Ken Kumakura	122.1424	5939
21171 7:	590 04/04/2006		EXAMINER	
STAAS & HALSEY LLP			WU, XIAO MIN	
SUITE 700 1201 NEW YORK AVENUE, N.W.			ART UNIT	PAPER NUMBER
WASHINGTON, DC 20005			2629	-
			DATE MAILED: 04/04/2006	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)			
	09/722,621	KUMAKURA ET AL.			
Office Action Summary	Examiner	Art Unit			
	XIAO M. WU	2629			
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply					
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tin vill apply and will expire SIX (6) MONTHS from , cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).			
Status					
1)⊠ Responsive to communication(s) filed on 13 M 2a)□ This action is FINAL. 2b)⊠ This 3)□ Since this application is in condition for allowar closed in accordance with the practice under E	action is non-final. nce except for formal matters, pro				
Disposition of Claims					
4)	vn from consideration. are rejected.				
Application Papers					
9) The specification is objected to by the Examine 10) The drawing(s) filed on is/are: a) acce Applicant may not request that any objection to the of Replacement drawing sheet(s) including the correction 11) The oath or declaration is objected to by the Ex	epted or b) objected to by the d drawing(s) be held in abeyance. Sec ion is required if the drawing(s) is ob	e 37 CFR 1.85(a). jected to. See 37 CFR 1.121(d).			
Priority under 35 U.S.C. § 119					
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 					
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail Di 5) Notice of Informal F 6) Other:				

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DETAILED ACTION

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 3/13/2006 has been entered.

Claim Rejections - 35 USC § 103

- 2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 3. This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).
- 4. Claims 1-19, 22-34, 37-38, 40-49, 51-54 are rejected under 35 U.S.C. 103(a) as being unpatentable over Nagakubo (US Patent No. 5,757,343) in view of You (US Patent No. 6,034,655)

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As to claims 1, 17, 26, 40, 51-52, Nagakubo discloses a plasma display apparatus for displaying a color image, comprising: a controller (20, Fig. 4) controlling a number of emissions of intensity thereof for each of input primary color video signals respectively to display a color image; a detection portion detecting a luminance level of the input primary color video signals (e.g. detecting the luminance mode 1 to mode 4 as shown in Fig. 2); adjusting amplitudes (or setting an amplitude ratio) of the input primary color video signals in accordance with the detected number of emissions or the detected intensity of the emissions (see Figs. 6 and 7). It is noted that Nagakubo does not specifically disclose that the gain adjusting circuit including a white balance adjusting section. You is cited to teach a plasma device including a white balance adjusting section (see col. 4, lines 32 to col. 6, line 5). It would have been obvious to one of ordinary skill in the art to have modified Nagakubo's gain adjusting circuit with the features of the white balance adjusting circuit as taught by You so as to keep the white balance stable regardless of variation of the luminance or contrast of the screen (col. 3, lines 44-52).

As to claims 2, 31, 41, Nagakubo discloses the detection portion detects the intensity from a display ratio of an image produced by the primary color video signals (see Fig. 2).

As to claims 3, 8, 42, Nagakubo discloses a control portion (Fig. 6) controlling the intensity from a display ratio of an image produced by the primary color video signals.

As to claims 4, 9, 14, 15, 27, 29, Nagakubo as modified discloses the white balance correction portion and a computing unit (5, Fig. 1) and a plurality of multipliers (see Fig. 6 of Nagakubo).

As to claims 5, 6, 10, 11, 16, 22, 28, 30, 37, Nagakubo discloses a storage unit (3, Fig. 4).

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As to claims 7, 32, 43, 44, Nagakubo discloses detecting the display current (e.g. total

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number of times of light emission, see Fig. 2).

As to claims 12, 13, 33, 45, 46, Nagakubo discloses detection portion detects the intensity from an external applied luminance adjusting input ((22, Fig. 4).

As to claim 18 and 25, Nagakubo discloses the display is a plasma display.

As to claims 19, 24, 34, 47, 48, Nagakubo discloses output gray levels (R', G', B', Fig. 1) of images represented by the primary color video signals are adjusted in accordance with input gray levels (R, G, B, Fig. 6) of the image represented by the primary color video signals, thereby correcting the color balance which varies the intensity of the primary color video signals, wherein the display comprises: a first detection portion detecting the input gray levels of the image represented by the primary color video signals (e.g. detecting the luminance mode 1 to mode 4 as shown in Fig. 2). It is noted that Nagakubo does not specifically disclose that the gain adjusting circuit including a white balance adjusting section. You is cited to teach a plasma device including a white balance adjusting section (see col. 4, lines 32 to col. 6, line 5). It would have been obvious to one of ordinary skill in the art to have modified Nagakubo's gain adjusting circuit with the features of the white balance adjusting circuit as taught by You so as to keep the white balance stable regardless of variation of the luminance or contrast of the screen (col. 3, lines 44-52).

As to claims 23, 38, 49, Nagakubo discloses a second detection portion detecting a display ratio (e.g. different modes I-IV) with different ratios).

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As to claims 53, 54, Nagakubo further discloses that the amplitude ratio between the primary color video signals is set in accordance with the intensity of the primary color video signals (Figs. 6 and 7).

Response to Arguments

- 5. Applicant's arguments filed 3/13/2006 have been fully considered but they are not persuasive. Applicant argues that Nagakubo does not disclose "correcting white balance by adjusting amplitudes of said input color video signal in accordance with said detected luminance" as required in claims. This argument is not persuasive. It is noted that Nagakubo clearly discloses adjusting amplitudes of the input primary color video signals in accordance with the luminance level (e.g. different luminance levels in different modes as shown in Figs. 3A-3D, 6-9). With respect to the white balance control, please see the newly applied reference (You) as discussed above.
- 6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to XIAO M. WU whose telephone number is 571-272-7761. The examiner can normally be reached on 6:30 am to 4:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, RICHARD HJERPE, can be reached on 571-272-7691. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

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system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

x.w.

April 2, 2006

XIAO M. WU

Primary Examiner Art Unit 2629

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